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## **Biometric Standards Under Development as of 7 October 2004**

The following table lists draft biometric standards under development within the InterNational Committee for Information Technology Standards (INCITS) Technical Committee M1, Biometrics, and Joint Technical Committee 1 (JTC1) Sub-Committee 37 of the International Organization of Standards (ISO).

The standards development projects listed in the table are organized into the following categories:

- [Biometric Data Interchange Format Standards](#)
- [Biometric Interface Standards](#)
- [Biometric Conformance Testing Standards](#)
- [Biometric Performance Testing Standards](#)
- [Biometric Application Profile Standards](#)
- [Security-Related Biometric Standards](#)
- [Other Development Projects Related to Biometric Standards](#)

DESIGNATION	TITLE	TYPE OF STANDARDS PROJECT
<b>BIOMETRIC DATA INTERCHANGE FORMAT STANDARDS</b>		
Information Technology—biometric data interchange formats—Part 1: Framework/Reference Model	ISO/IEC WD 19794-1	International
Information Technology—Biometric Data Interchange Formats—Part 2: Finger Minutiae Data	ISO/IEC FCD 19794-2	International
Information Technology—Biometric Data Interchange Formats—Part 3: Finger Pattern Spectral Data	ISO/IEC CD 19794-3	International
Information Technology—Biometric Data Interchange Formats—Part 4: Finger Image Data	ISO/IEC FCD 19794-4	International
Information Technology—Biometric Data Interchange Formats—Part 5: Face Image Data	ISO/IEC FCD 19794-5	International
Information Technology—Biometric Data Interchange Formats—Part 6: Iris Image Data	ISO/IEC FCD 19794-6	International
Information Technology—Biometric Data Interchange Formats—Part 7: Signature/Sign Behavioral Data	ISO/IEC WD 19794-7	International
Information Technology—Biometric Data Interchange Formats—Part 8: Finger Pattern Skeletal Data	ISO/IEC WD 19794-8	International
Information Technology—Biometric Data Interchange Formats—Part 9: Vascular Biometric Image Data	ISO/IEC NP 19794-9	International
Information Technology—Biometric Data Interchange Formats—Part 10: Hand Geometry Silhouette Data	ISO/IEC NP 19794-10	International
Information Technology—Hand Geometry Format for Data Interchange	INCITS PN-1643-D	US
Information Technology—Signature/Sign Image Based Interchange Format	INCITS PN-1603-D	US
<b>BIOMETRIC INTERFACE STANDARDS</b>		
Information Technology—Biometric Application Program Interface (BioAPI) — Part 1: BioAPI Specification	ISO/IEC FCD 19784-1	International

Information Technology—Biometric Application Program Interface (BioAPI) — Part 2: Biometric Archive Function Provider Interface	ISO/IEC WD 19784-2	International
Information Technology— Protocol for Interworking Between a System Supporting a Biometric Device and a Central Repository of Biometric Data	ISO/IEC WD 24708	International
Information Technology—Common Biometric Exchange Formats Framework (CBEFF)—Part 1: Data Element Specification	ISO/IEC FCD 19785-1	International
Information Technology—Common Biometric Exchange Formats Framework (CBEFF)—Part 2: Procedures for the Operation of the Biometrics Registration Authority	ISO/IEC FCD 19785-2	International

BIOMETRIC CONFORMANCE TESTING STANDARDS		
Information Technology—Conformance Testing for BioAPI - Part 1: Methods and Procedures	ISO/IEC WD2 24709-1	International
Information Technology—Conformance Testing for BioAPI - Part 2: Test Assertions	ISO/IEC NP 24709-2	International
Information Technology—Conformance Testing Methodology for the Finger Image Data Interchange Format	INCITS PN-1705-D	US
Information Technology—Conformance Testing Methodology for the Finger Minutiae Interchange Format	INCITS PN-1703-D	US
Information Technology—Conformance Testing Methodology for ANSI/INCITS 358-2002, BioAPI Specification	INCITS PN-1703-D	US

BIOMETRIC PERFORMANCE TESTING STANDARDS		
Information Technology—Biometric Performance Testing and Reporting	BSR INCITS PN-1602-9	US
Information Technology—Biometrics Performance Testing and Reporting—Part 1: Test Principles	ISO/IEC WD 19795-1	International
Information Technology—Biometrics Performance Testing and Reporting—Part 2: Testing Methodologies	ISO/IEC WD 19795-2	International
Information Technology—Biometrics Performance Testing and Reporting—Part 3: Specific Testing Methodologies	ISO/IEC AWI 19795-3	International
Information Technology—Biometrics Performance Testing and Reporting—Part 4: Specific Test Programs	ISO/IEC AWI 19795-4	International
Information Technology—Evaluating Multi-Modal Biometrics Systems: Concepts of Operation and Methods of Performance Evaluation (study project)	INCITS PN-1627-S	US
BIOMETRIC APPLICATION PROFILE STANDARDS		
Biometric Profiles for Interoperability and Data Interchange—Part 1: Biometric Reference Architecture	ISO/IEC WD 24713-1	International
Biometric Profiles for Interoperability and Data Interchange—Part 2: Biometric Profile for Employees in a Highly Secure Environment	ISO/IEC CD 24713-2	International
Biometric Profiles for Interoperability and Data Interchange—Part 3: Biometric Profile for Seafarers	ISO/IEC AWI 24713-3	International
Information Technology—Application Profile for Point-of-Sale Biometric Verification/Identification	BSR INCITS PN-1573-D	US
Information Technology—Biometric Profile—Interoperability and Data Interchange—DoD Implementations	INCITS PN-1676-D	US
Information Technology—Biometric Profile— Application Profile for Residential and Commercial Access Control	INCITS PN-1706-D	US
SECURITY-RELATED BIOMETRIC STANDARDS		
Financial Services - Biometrics - Part 1: Security Framework	ISO/TC68/SC 2 CD 19092-1	International

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Financial Services - Biometrics - Part 2: Cryptographic Requirements	ISO/TC68/SC 2 CD 19092-2	International
Information Technology—Security Techniques—Framework for Security Evaluation and Testing of Biometric Technology	ISO/IEC WD 19792	International
<b>OTHER DEVELOPMENT PROJECTS RELATED TO BIOMETRIC STANDARDS</b>		
Information Technology—Motor Vehicle License—Part 3: Biometrics, Image Processing and Cryptography	ISO/IEC AWI 18013-3	International
Multi-Modal Biometric Fusion	ISO/IEC WD 24722	International
Multi-part Technical Report on Cross Jurisdictional and Societal Aspects of Implementations of Biometric Technologies	ISO/IEC WD 24714	International
Standing Document on Harmonized Biometric Vocabulary	JTC1/SC37 Standing Document 2	International

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